



Memorandum

U.S. Department
of Transportation

6300 Georgetown Pike
McLean, Virginia 22101

**Federal Highway
Administration**

Subject: **ACTION**: LTPP Directive SM-46
Upgrade of SMPCheck Software to Version 3.4

Date: November 14, 2002

From: Jack Springer
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PI - LTPP North Atlantic Regional Contract
Mr. Tom Wilson, PI - LTPP North Central Regional Contract
Mr. Mark Gardner, PI - LTPP Southern Regional Contract
Dr. Sirous Alavi, PI - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Directive SM-46 formalizing implementation of Version 3.4 of the SMPCheck software. Please note that the software was sent to you by the TSSC under separate cover. This directive should be transmitted to all appropriate personnel as soon as possible.

If you have any questions concerning this transmittal, please do not hesitate to call me at (202) 493-3144.

Attachment

FHWA:HRDI-13:JSpringer:mad:493-3144:11/13/2002

File: c:\mdeeney\springer\smp_#46dir.doc

cc:

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Directive File

Official File (180.20)

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LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area:	Monitoring	Directive Number:	SM-46
Date:	November 14, 2002	Supersedes:	SM-42
Subject:	Upgrade of SMPCheck Software to Version 3.4		

Attached for immediate implementation please find Version 3.4 of the SMPCheck software. This new version of the program contains the following modifications:

- New check to locate onsite data with zero (0) time stamp; data with zero (0) time stamp problem are listed in the process message file.
- New routine to automatically re-compute daily statistics for days where maximum and/or minimum air temperature and/or temperatures from MRC sensors 1 through 5 have zero (0) time stamp; new time is determined using available hourly data.
- New QC range check on difference between daily maximum and minimum temperatures based on values presented in Table 22-1 of the QC manual.
- New QC range check on TDR distance spacing between wave points. A value not equal to 0.01 is included in the QC report. Values equal to 0.5 or 0.25 are acceptable and they are included in the upload file after correction.
- New routine to automatically correct TDR distance spacing for values equal to 0.5 and 0.25.

The above modifications require changes to the documentation; however, the User Guide provided with the SMPCheck v2.5 software will not be changed at this time.

SMPCheck v3.4 should be installed on all computers being used to process SMP data. Installation consists of copying the file INSTALL.EXE off the distribution diskette and into the SMPCheck directory. Once done, run the INSTALL.EXE program and answer “yes” to question “overwrite existing program files?” If this procedure is followed, the SMPCheck program should be able to read and process all data previously entered and processed with Version 3.3 or earlier versions of the SMPCheck program.

If there are any problems, please submit a SMP problem report (SMPPR) form in accordance with LTPP Monitoring Directive SM-6.

Prepared by: TSSC

Approved by:

Aramis López, Jr.
LTPP Team Leader